- AN 543-05 Back Creek Nature Park Consistency Report

MSA-S-1829-4757

Robert L. Ehrlich, Jr. *Governor*

Michael S. Steele Lt. Governor



Martin G. Madden Chairman

Ren Serey
Executive Director

STATE OF MARYLAND CRITICAL AREA COMMISSION CHESAPEAKE AND ATLANTIC COASTAL BAYS

1804 West Street, Suite 100, Annapolis, Maryland 21401 (410) 260-3460 Fax: (410) 974-5338 www.dnr.state.md.us/criticalarea/

October 18, 2006

Sally Nash, Ph.D. City of Annapolis Office of Planning and Zoning 160 Duke of Gloucester Street Annapolis, Maryland 21401

RE: AN 543-05 Back Creek Nature Park: Stormwater Education Experience

Dear Dr. Nash:

Thank you for providing updated information on the above referenced project. I have reviewed the changes to the 10% worksheet based on the July 28, 2006 comments submitted by Regina Esslinger. It appears that the pollutant removal requirement is met.

We concur with the City of Annapolis's determination that the above referenced project is consistent with the City's Critical Area program. If you have any additional questions please call me at 410-260-3481.

Sincerely,

Jenmutær B. Lester

Natural Resources Planner

Robert L. Ehrlich, Jr. Governor

Michael S. Steele
Lt. Governor



Martin G. Madden

Chairman

Ren Serey
Executive Director

STATE OF MARYLAND CRITICAL AREA COMMISSION CHESAPEAKE AND ATLANTIC COASTAL BAYS

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September 28, 2005

Mr. Tom Smith Senior Planner City of Annapolis Planning and Zoning 160 Duke of Gloucester Street Annapolis, MD 21401

RE: Back Creek Nature Park Consistency

Thank you for providing "Notification of Certification" that the above project is consistent with the City of Annapolis' Critical Area Program. This office understands that the City is proposing to make improvements to the shoreline and the adjacent slope at the Back Creek Nature Park. The City is proposing a marsh restoration that involves filling, grading, and planting marsh vegetation along 490-linear feet of eroding shoreline with 207 cubic yards of clean sand placed within a maximum of 22 feet channelward of the mean high water line. They are also placing a 490 feet "biolog" and stone sill within a maximum of 25 feet channelward of the mean high water line. The second phase involves stabilization of an eroding bank along the lagoon.

The park sits on one parcel that is 8.65 acres with 8.11 acres in the Resource Conservation Area (RCA) and the remaining 0.54 acres is in the Intensely Developed Area (IDA). The purpose of this project is to alleviate an existing erosion problem in the Buffer, as well as restore a functioning living shoreline around the lagoon.

Critical Area Commission staff understands:

- 1. That there will be no new impervious surface coverage;
- 2. That there will be no disturbance in the Buffer beyond the slope stabilization. No trees or other vegetation will be removed;
- 3. That no stormwater management is required for this project;
- 4. That there are no Habitat Protection Areas of concern on Back Creek Nature Park; and,

Continued, Page Two Back Creek Nature Park Consistency September 15, 2005

5. That this project proposes to stabilize an eroding Buffer and add a living shoreline to the lagoon.

The Commission staff has determined that the above proposed development: 1) has environmental or economic consequences that will largely be confined to the immediate area of the site on which the development is located, 2) does not substantially affect the Critical Area program of the local jurisdiction, and 3) is not considered by the Commission as major development. (See COMAR: Chapter Two, Regulations for Development in the Critical Area Resulting from State and Local Agency Programs).

Therefore, approval of the above project by the Commission is not necessary. If there are any changes in development that may affect the habitat within the area on site, this office would like to be notified immediately at (410) 260-3483.

Sincerely,

Dawnn McCleary

Natural Resources Planner

cc: Regina Esslinger AN 543-05



DIRECTOR

City of Annapolis

DEPARTMENT OF PLANNING AND ZONING

Municipal Building, 160 Duke of Gloucester Street, Annapolis, Maryland 21401 Annapolis 410-263-7961 • Baltimore 410-269-0064 • Washington 301-261-1388 • Fax 410-263-1129 • TDD 410-263-7943

August 5, 2005

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AUG 1 0 2005

Chesapeake Bay Critical Area Commission Attn: Ms. Dawnn McCleary 1804 West Street, Suite 100 Annapolis, MD 21401

CRITICAL AREA COMMISSION

Regarding: Consistency Review for Improvements to Back Creek Nature Park

Dear Ms. McCleary:

The City of Annapolis is proposing to make improvements to the lagoon shoreline and the adjacent slope at the Back Creek Nature Park. At this time, the Department of Planning and Zoning has determined that this project is consistent with the requirements of the City's Critical Area Program. We would appreciate your review and comments on our determination.

Project Description

Back Creek Nature Park is located off of Edgewood Road in the City of Annapolis. A good portion of the park borders Back Creek. The Park sits on one parcel that is 8.65 acres. 8.11 acres are in the Resource Conservation Area (RCA), and the remaining 0.54 acres is in the Intensely Developed Area (IDA). The 100-foot buffer along this park is non-BEA.

The currently proposed project is twofold. First, the project is proposing a marsh restoration that involves filling, grading, and planting marsh vegetation along 490 LF of eroding shoreline with 207 cubic yards of clean sand emplaced within a maximum of 22 feet channelward of the mean high water line, and emplace 490 feet of "biolog" and stone sill within a maximum of 25 feet channelward of the mean high water line. Second, the project will stabilize an eroding bank along the lagoon using Filtrexx materials.

<u>Imperviousness</u>

No new impervious coverage is being added as a part of this project. This park overall complies with the impervious surface coverage limits for the RCA lands and the IDA lands. The RCA portion of the site has approximately 32,870 square feet of existing impervious, which equals a 9.3% coverage. There will be no new imperviousness associated with this project, and the imperviousness will remain at 9.3%. The IDA portion of the park has 1,873 square feet of existing impervious surface coverage, which equals a 7.9% coverage. There will be no new imperviousness associated with this project, and the imperviousness will remain at a 7.9% coverage.

Ms. Dawnn McCleary August 5, 2005 Page 2

Buffer Management Plan

A buffer management plan is not necessary for this project. No trees or other vegetation will be removed, and there will be no disturbance to the buffer beyond the slope stabilization work. All of the work will take place from a barge.

Stormwater Management

The City's Critical Area Program does not require stormwater management for a project of this magnitude in the RCA, especially when no new imperviousness is being added.

Habitat Protection Areas

As evidenced in the letter from the Wildlife and Heritage Service, there are no HPA's of concern in Back Creek Nature Park.

MDE Permitting

The letter indicating approval of the necessary MDE permit is enclosed.

Sedimentation & Erosion Control

This project is serving to stabilize an eroding buffer and add a living shoreline to the lagoon. Due to the nature and location of the work, conventional sedimentation and erosion control techniques are not suitable or particularly necessary.

Negative Impacts

No Habitat Protection Areas, besides the 100-foot buffer, will be harmed during this project.

Positive Impacts

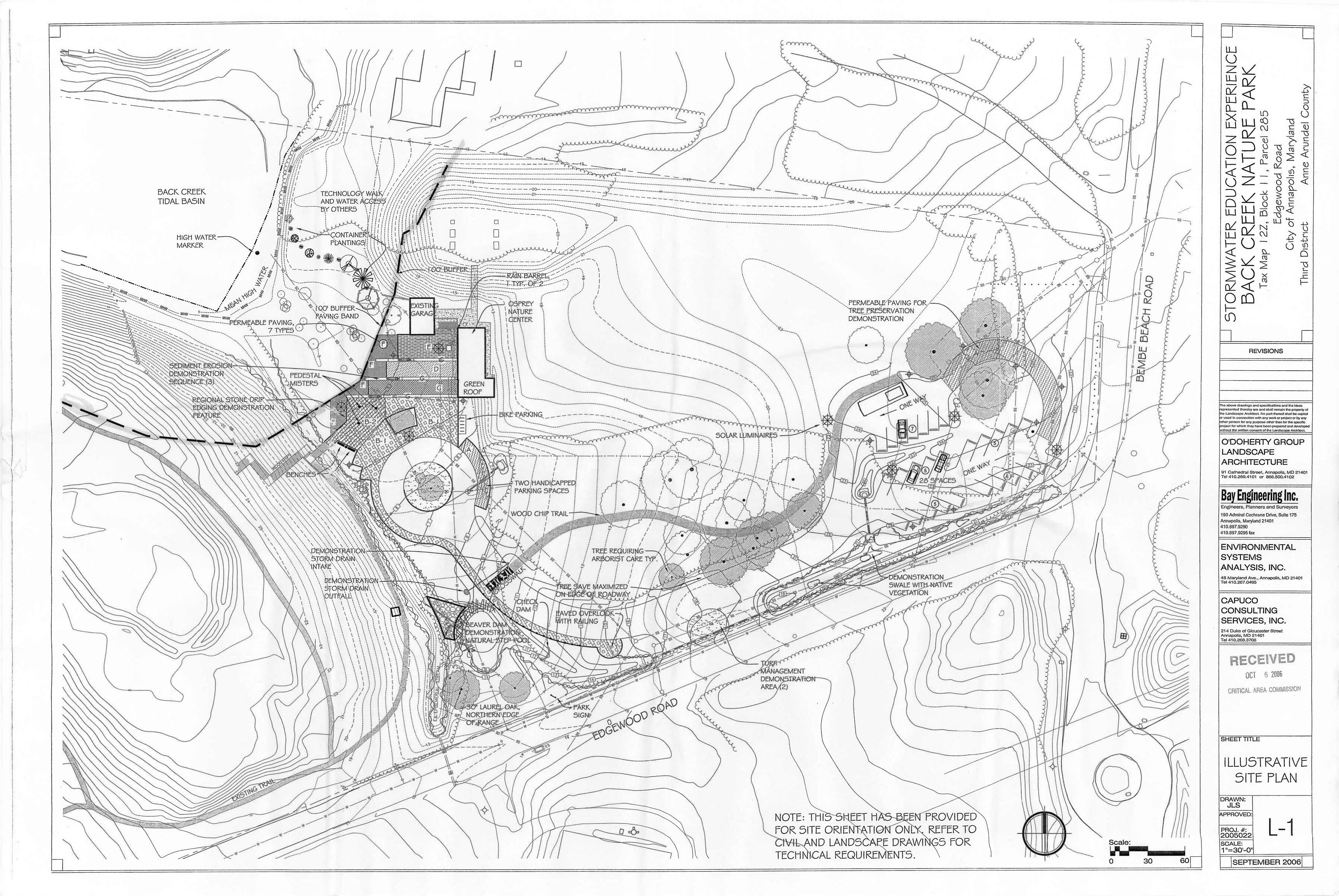
The anticipated end-result of this project is to alleviate an existing erosion problem in the buffer, as well as, restore a functioning living shoreline around the lagoon.

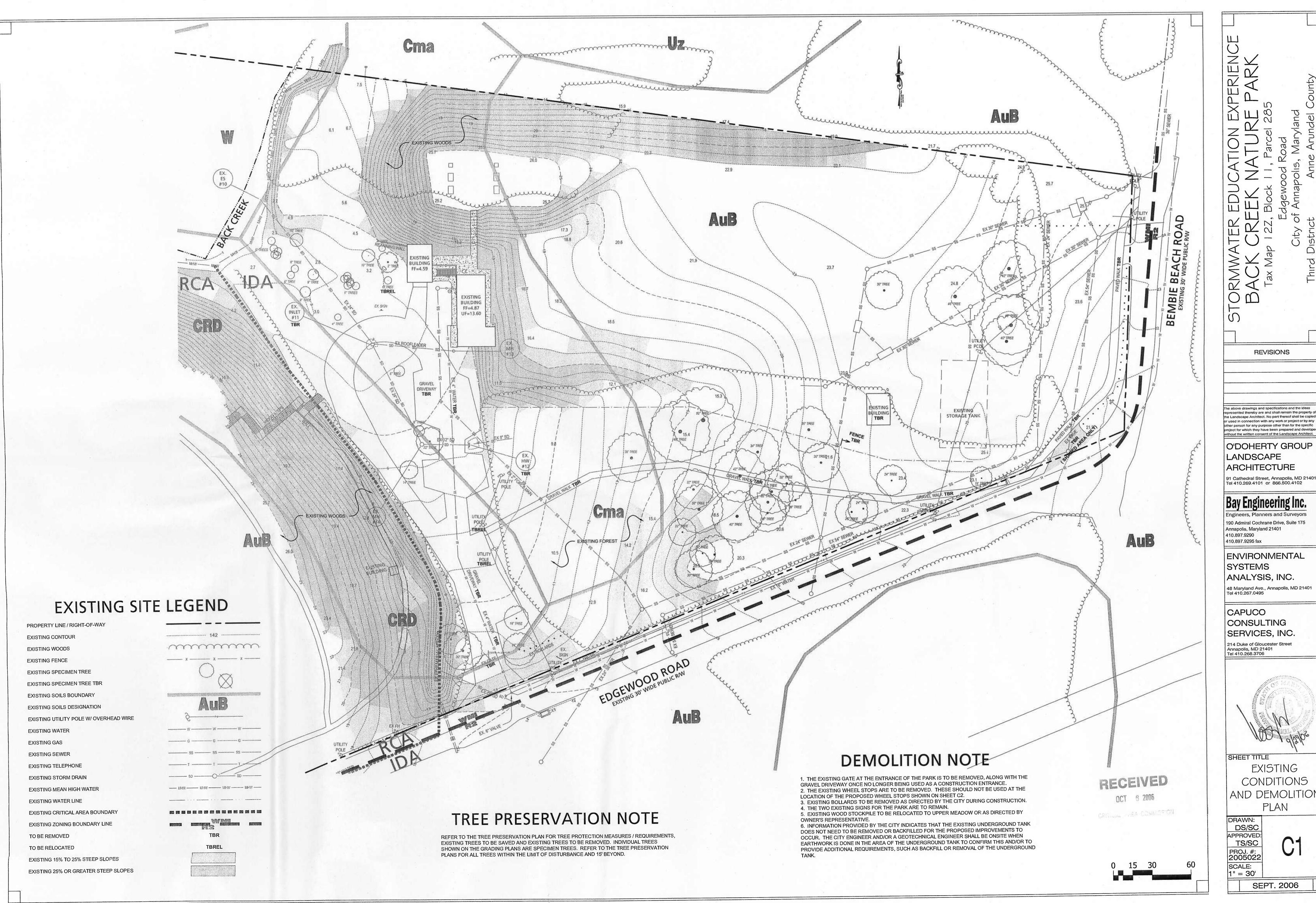
Your help on this project is sincerely appreciated. Should you have any questions, please do not hesitate to call Tom Smith at 410-263-7961.

Sincerely,

Megan A. Owen, AICP

City Planner





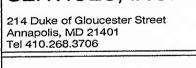
project for which they have been prepared and develope

LANDSCAPE ARCHITECTURE 91 Cathedral Street, Annapolis, MD 21401

190 Admiral Cochrane Drive, Suite 175 Annapolis, Maryland 21401 410.897.9290 410.897.9295 fax

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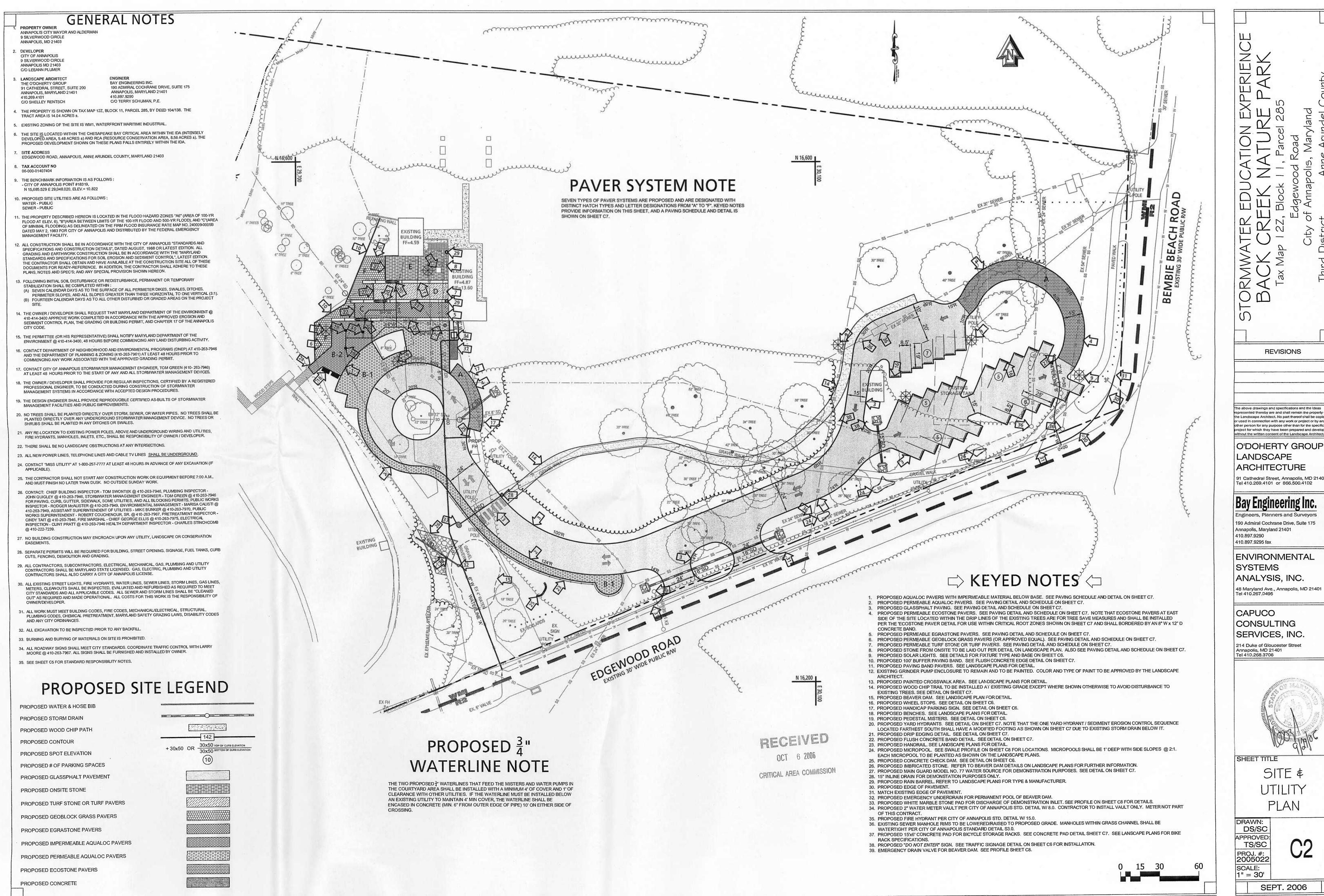
CAPUCO CONSULTING SERVICES, INC.





SHEET TITLE EXISTING CONDITIONS AND DEMOLITION PLAN

DS/SC APPROVED: PROJ. #: 2005022



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O'DOHERTY GROUP LANDSCAPE

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CONSULTING SERVICES, INC.

214 Duke of Gloucester Street Annapolis, MD 21401 Tel 41D.268.3706



DS/SC PROJ. #: 2005022 SCALE: 1" = 30'



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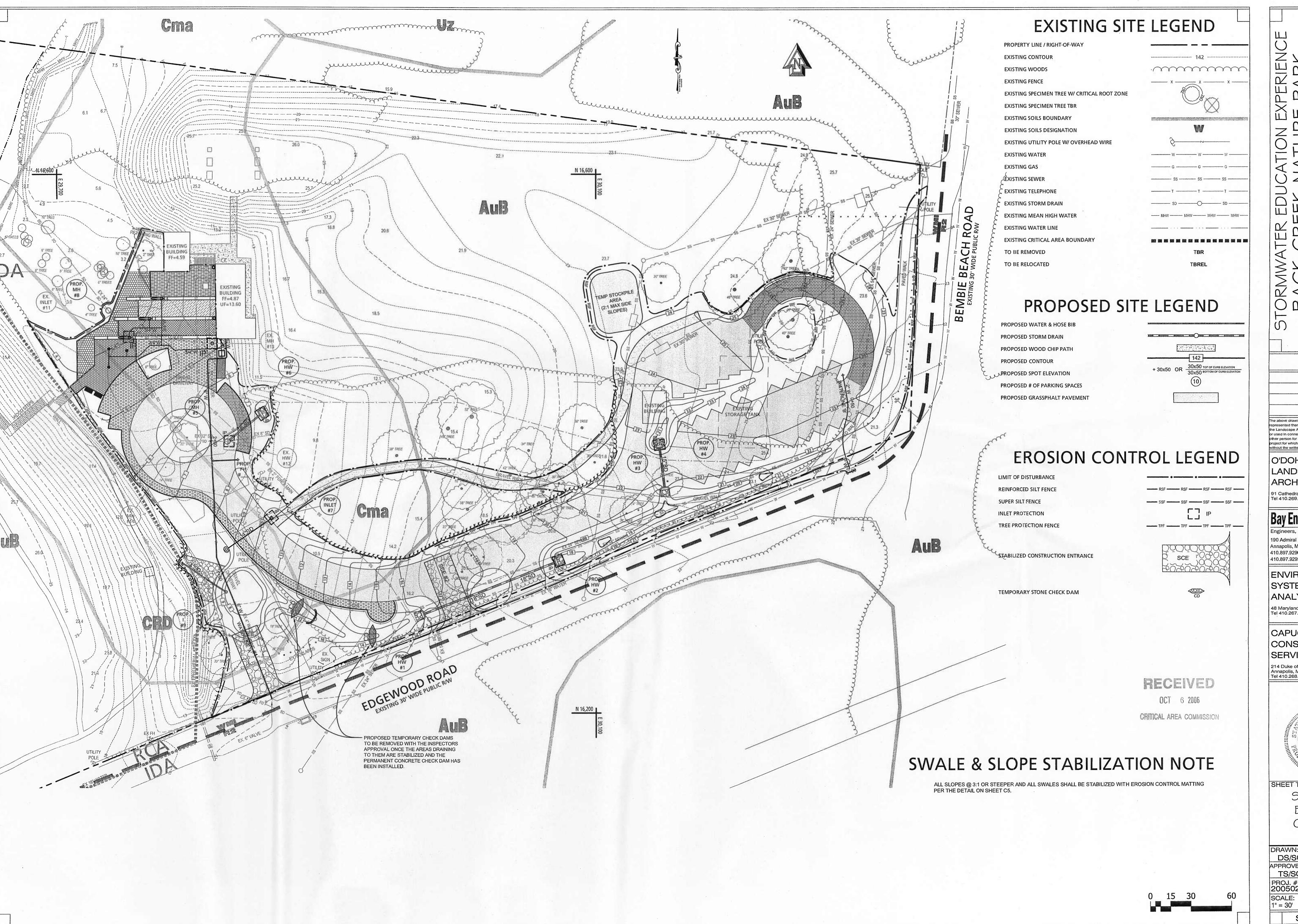
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SHEET TITLE

GRADING AND STORM DRAIN PLAN

DRAWN: DS/SC APPROVED: TS/SC PROJ. #: 2005022 SCALE: 1" = 30'



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SERVICES, INC. 214 Duke of Gloucester Street Annapolis, MD 21401 Tel 410.268.3706



SEDIMENT EROSION CONTROL PLAN

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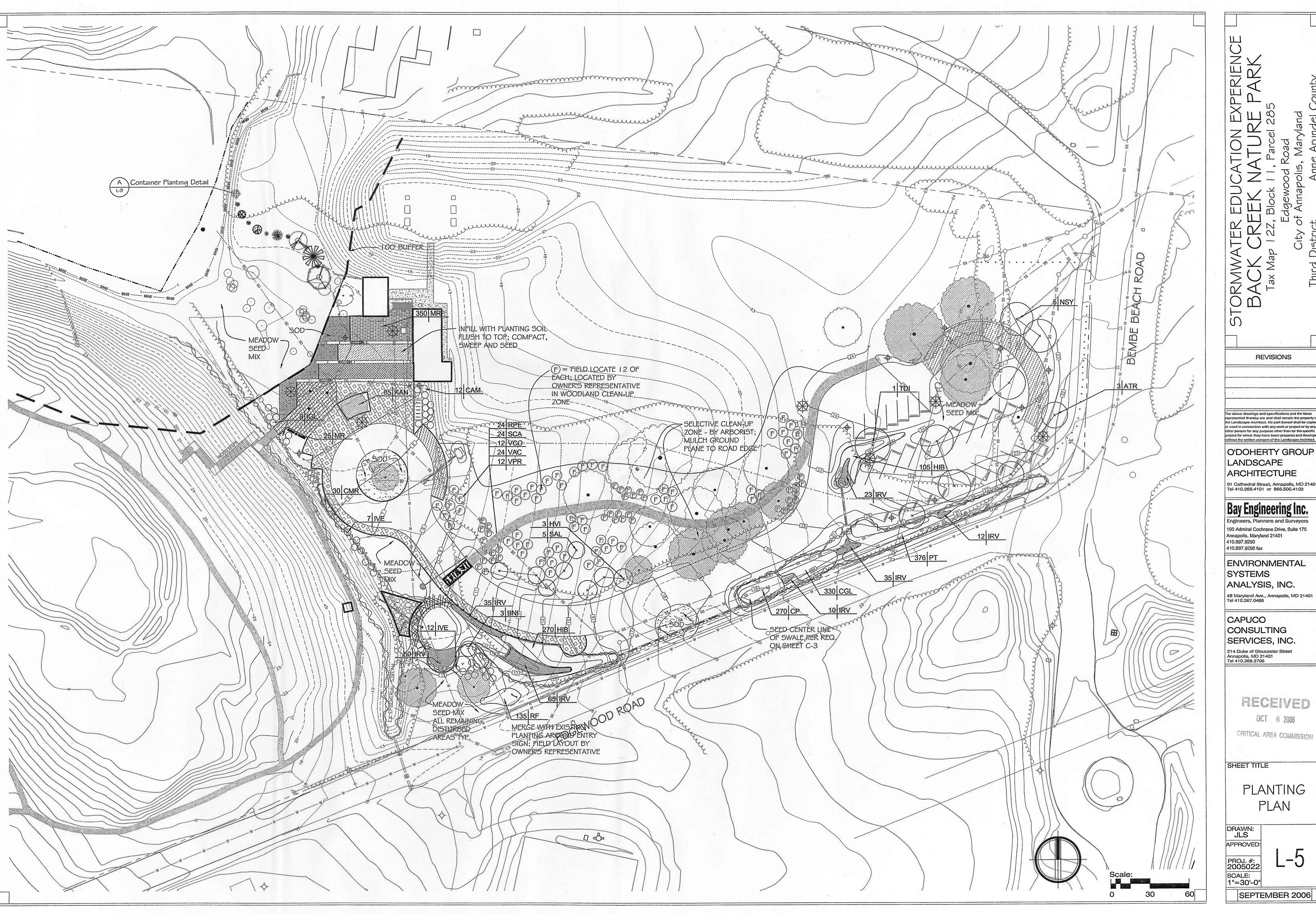
ARCHITECTURE 91 Cathedral Street, Annapolis, MD 21401 Tel 410.269.4101 or 866.500.4102

190 Admiral Cochrane Drive, Suite 175

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LAYOUT PLAN

SEPTEMBER 2006



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CRITICAL AREA COMMISSION

SHEET TITLE

PLANTING PLAN

DRAWN: JLS APPROVED: PROJ. #: 2005022

L-5SCALE: 1"=30'-0"

SEPTEMBER 2006